

### Amendment to the Specification:

- At page 6, lines 19-24, please replace the paragraph with the following rewritten version:

Internal door plate 12 is an intelligent (smart) device. Internal door plate includes a circuit board 64 having a printed circuit and electronic components disposed thereon. The printed circuit is attached to DND button ~~3038~~ by wires 66, to MUR button 32 by wires 68, to connectors 50, 52, 54, and 56 by wires 70 and to chime speaker 36 by wires 72. The functionality of circuit board will be described hereinafter, with reference to Figures 10 and 11.

- At page 8, lines 1-9, please replace the paragraph with the following rewritten version:

In an alternative embodiment, not shown, the core housing 80 of external door plate 14 is dimensioned such that its thickness, ~~shown in the previous embodiment as "1.1 inches" in the side view of Figure 8,~~ is reduced to a thickness of "x", as shown on Figure 8. ~~The reduction in thickness allow~~ings the external door plate 14 to be mounted flush with external surface 32 of wall 6 (Figure 1) using tabs 60, without having to penetrate surface 32 to accommodate the core housing 80. Only small penetrations would be necessary, to accommodate mounting screws (not shown) and wires 22 (Figure 1). This embodiment would be beneficial if wall 6 (Figure 1) were constructed of a hard material such as concrete.

- Beginning on page 8, line 24 through page 9, line 5, please replace the paragraph with the following rewritten version:

Figure 11 is a schematic diagram of the printed circuit and electronic components on circuit board 64. Mounted on circuit board 64 are a microprocessor 150, ROM (read only memory)

152, RAM (random access memory) 154, NVM (non-volatile memory) 156, I/O control device 158, and a data bus 160. Data bus 160 interconnects microprocessor 150, ROM 152, RAM 154, NVM 156, and I/O control device 158, allowing data to be transferred between these devices. I/O control device 158 sends/receives analog input data to/from: DND button 30 via wires 66, MUR button 32 via wires 68, and connectors 52, 54, and 56 via wires 70. I/O control device ~~158~~<sup>162</sup> also provides an actuation signal to chime speaker via wires 72. Microprocessor 150 receives operating power via power supply 20 at connector 50.

- At page 9, lines 12-22, please replace the paragraph with the following rewritten version:

Referring to Figures 10 and 11, internal door plate 12 permits the guest of room 8 (Figure 1) to activate or deactivate DND and MUR requests without needing to open the door 26 (Figure 1). The guest simply depresses either the MUR button ~~320~~ or the DND button ~~302~~. When the DND button ~~302~~ is depressed, internal door plate 12 provides a power to the DND legend 84, and the backlit DND legend 84 appears above the doorbell button 82. In addition, the doorbell button 82 is deactivated. When the MUR button ~~320~~ is depressed, the internal door plate 12 illuminates the green LED 86. The functionality of the DND and MUR buttons 30 and 32 is mutually exclusive, so only one button 30 or 32 can be active at a time. If the DND button ~~302~~ is active and MUR button ~~320~~ is pressed, the DND button ~~302~~ will deactivate and the MUR button ~~320~~ will become active, and vice versa.

- Beginning on page 9, line 23 through page 10, line 6, please replace the paragraph with the following rewritten version:

When either the DND or MUR button ~~302~~ or ~~320~~ is pressed, the LED ~~3840~~ or ~~4038~~ on that button is illuminated, so the guest knows which function has been activated. When the DND command is activated by the guest, the door chime 36 is muted. Additionally, when microprocessor 150 senses that the internal door plate 12 is connected to a centralized room control system, incoming calls to the room 8 can be diverted to voice mail and active MUR or butler call requests are cancelled when the DND command is activated. It will also be understood, that it is contemplated that, microprocessor 150 is optionally configured to serially connect with an incoming telephone line entering the room and configured to generate a signal when the DND command is activated in a stand alone set up to direct all incoming telephone calls to voicemail. The signal may duplicate a busy signal that causes many existing telephone systems to direct the incoming call to voicemail.

- At page 12, lines 1-20, please replace the paragraph with the following rewritten version:  
Referring to Figures 10 and 12, microprocessor 150 recognizes that when the 2-wire power supply 20 from the power supply device 16 is connected to connector 50, system 10 is a stand-alone system (Figure 10). That is, system 10 is not connected to a centrally controlled system. In this case, microprocessor executes programming instructions to processes data from entry switch 100 (optional), passive infra-red sensor 106 (optional), mini-bar switch 102 (optional), and external door plate 14, and provides control to these devices. However, when microprocessor 150 detects that a 3-wire connection is provided to connector 50, the microprocessor 150 executes programming instructions required for system 10 to act as part of a

centrally controlled system, such as INNCOM's commercially available System 4 (e<sup>4</sup>), shown in Figure 12. When in a centrally controlled system, microprocessor 150 becomes subservient to a central control microprocessor in the centrally controlled system, accepting input from the central control microprocessor and providing data to the central control microprocessor via connection 54. Figure 13 illustrates that transmission of data between microprocessor 150 and a central control processor of e<sup>4</sup> is optionally accomplished via electromagnetic radiation 200 using an infra-red communication device (not shown) with each microprocessor of the centrally controlled system and the internal door plate 12. In a centrally controlled system, both DND and MUR requests (initiated by depressing either the DND or MUR buttons 302 and 3240) can be reported automatically to a floor status and/or a central control monitor for use by housekeeping and other staff.

- Beginning on page 12, line 21 through page 13, line 9, please replace the paragraph with the following rewritten version:

The intelligent doorbell/do-not-disturb/make-up-room annunciation system 10 of the present disclosure is convenient, inexpensive, and expandable. System 10 overcomes the inconvenience of doorknob mounted tags by providing MUR and DND buttons within the guest room. System 10 is expandable to include other options such as a mini-bar switch, an entry switch, and a passive infra-red sensor, all of which provide convenience to housekeeping and other hotel staff. In addition, system 10 is a potential "starter kit" for an expanded system. Basic functionality can be expanded to include mini-bar and occupancy monitoring and annunciation by simply plugging devices into connections on the internal door plate 12. System 10 can also become part of a larger system, either standalone or centrally controlled without the need to make any hardware or

software changes. Because system 10 can be expanded, the system will not have to be discarded with future expandability, creating a cost savings. Also, the internal and external door plates 12 and 14 of system 10 are sized to fit within the recess for a standard light switch, allowing door plates 12 and 14<sup>3</sup> to each be installed in a standard, single gang junction box or to be mounted in a standard multi-gang junction box together with entry light or other switches. Because the internal and external door plates can be installed in standard junction boxes, the cost of installation is reduced from that of previously available room control systems, which require customized installation.